



1638

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,349

DATE: 07/24/2002

TIME: 12:19:30

Input Set : A:\pto\_vsk.txt

Output Set: N:\CRF3\07242002\I700349.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: MAX-PLANCK-GESELLSCHAFT ZUR FTRDERUNG DER WISSENSCHAFTEN E.V.  
 4 WOLFGANG ROHDE, BUSECK  
 5 DIRK PRUFER, KOLN  
 6 ECKHARD TACKE, EBSTORF  
 7 PETER PASEMANN. KOLN  
 8 FRANCESCO SALAMINI, KOLN  
 10 <120> TITLE OF INVENTION: METHOD FOR PRODUCING PLANTS HAVING AN INCREASED TOLERANCE  
 AGAINST  
 11 DROUGHT AND/OR FUNGAL ATTACK AND/OR INCREASED SALT CONCENTRATIONS  
 12 AND/OR EXTREME TEMPERATURE BY THE EXPRESSION OF PLASMODESMATA-  
 13 LOCALIZED PROTEINS  
 15 <130> FILE REFERENCE: 009848-0276439  
 17 <140> CURRENT APPLICATION NUMBER: 09/700,349  
 C--> 18 <141> CURRENT FILING DATE: 2001-03-16  
 20 <150> PRIOR APPLICATION NUMBER: PCT/EP99/03291  
 21 <151> PRIOR FILING DATE: 1999-12-05  
 23 <150> PRIOR APPLICATION NUMBER: 98108726.5  
 W--> 24 <151> PRIOR FILING DATE: 1998-13-05  
 26 <160> NUMBER OF SEQ ID NOS: 3  
 28 <170> SOFTWARE: PatentIn Ver. 3.0  
 30 <210> SEQ ID NO: 1  
 31 <211> LENGTH: 20  
 32 <212> TYPE: PRT  
 33 <213> ORGANISM: Artificial Sequence  
 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic, no natural  
 origin  
 38 <400> SEQUENCE: 1  
 40 Met Ala Glu Leu Gly Ser Gly Ser Glu Leu His Arg Gly Gly Gly Arg  
 41 1 5 10 15  
 43 Ser Arg Thr Ser  
 44 20  
 47 <210> SEQ ID NO: 2  
 48 <211> LENGTH: 550  
 49 <212> TYPE: DNA  
 50 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic, no natural  
 origin  
 56 <220> FEATURE:  
 57 <221> NAME/KEY: CDS  
 58 <222> LOCATION: (11)..(538)  
 60 <400> SEQUENCE: 2  
 62 ctcgagaaca atg gca gag ctc gga tcc gga tcc gag ctc cac cgc ggt 49

63

Met Ala Glu Leu Gly Ser Gly Ser Glu Leu His Arg Gly

64

1

5

10

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66 ggc ggc cgc tct aga act agt acg tca acg gtg gtg tac aac aac caa 97
67 Gly Gly Arg Ser Arg Thr Ser Thr Ser Thr Val Val Tyr Asn Asn Gln
68 15 20 25
70 gga ggc gaa gaa ggc aat ccc ttc gca ggc gcg cta aca gag ttc agc 145
71 Gly Gly Glu Glu Gly Asn Pro Phe Ala Gly Ala Leu Thr Glu Phe Ser
72 30 35 40 45
74 cag tgg tta tgg tca cgg cct ctg ggc aac cca ggc gcc gaa gac gta 193
75 Gln Trp Leu Trp Ser Arg Pro Leu Gly Asn Pro Gly Ala Glu Asp Val
76 50 55 60
78 gaa gag gag gca atc gcc gct caa gaa gaa ctg gag ttc ccc gag gac 241
79 Glu Glu Glu Ala Ile Ala Ala Gln Glu Glu Leu Glu Phe Pro Glu Asp
80 65 70 75
82 gag gct caa gcg aga cat tcg tgt tta caa agg aca acc tca tgg gca 289
83 Glu Ala Gln Ala Arg His Ser Cys Leu Gln Arg Thr Thr Ser Trp Ala
84 80 85 90
86 act ccc aag gaa gtt tca cct tcg ggc cga gtc tat cag act gtc cgg 337
87 Thr Pro Lys Glu Val Ser Pro Ser Gly Arg Val Tyr Gln Thr Val Arg
88 95 100 105
90 cat tca agg atg gaa tac tca agg cct acc atg agt ata aga tca caa 385
91 His Ser Arg Met Glu Tyr Ser Arg Pro Thr Met Ser Ile Arg Ser Gln
92 110 115 120 125
94 gca tct tac ttc agt tcg tca gcg agg cct ctt cca cct cct ccg gct 433
95 Ala Ser Tyr Phe Ser Ser Ser Ala Arg Pro Leu Pro Pro Pro Pro Ala
96 130 135 140
98 cca tcg ctt atg agt tgg acc ccc att gca aag tat cat ccc tcc agt 481
99 Pro Ser Leu Met Ser Trp Thr Pro Ile Ala Lys Tyr His Pro Ser Ser
100 145 150 155
103 cct acg tca aca agt tcc aaa tta cga agg gcg gcg cca aaa ctt atc 529
104 Pro Thr Ser Thr Ser Ser Lys Leu Arg Arg Ala Ala Pro Lys Leu Ile
105 160 165 170
107 aag cgc gga tgataaggta cc 550
108 Lys Arg Gly
109 175
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 176
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic, no natural
origin
120 <400> SEQUENCE: 3
122 Met Ala Glu Leu Gly Ser Gly Ser Glu Leu His Arg Gly Gly Gly Arg
123 1 5 10 15
125 Ser Arg Thr Ser Thr Ser Thr Val Val Tyr Asn Asn Gln Gly Gly Glu
126 20 25 30
128 Glu Gly Asn Pro Phe Ala Gly Ala Leu Thr Glu Phe Ser Gln Trp Leu
129 35 40 45
131 Trp Ser Arg Pro Leu Gly Asn Pro Gly Ala Glu Asp Val Glu Glu Glu
132 50 55 60
134 Ala Ile Ala Ala Gln Glu Glu Leu Glu Phe Pro Glu Asp Glu Ala Gln

```

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```

135 65              70              75              80
137 Ala Arg His Ser Cys Leu Gln Arg Thr Thr Ser Trp Ala Thr Pro Lys
139              85              90              95
141 Glu Val Ser Pro Ser Gly Arg Val Tyr Gln Thr Val Arg His Ser Arg
142              100             105             110
144 Met Glu Tyr Ser Arg Pro Thr Met Ser Ile Arg Ser Gln Ala Ser Tyr
145              115             120             125
147 Phe Ser Ser Ser Ala Arg Pro Leu Pro Pro Pro Pro Ala Pro Ser Leu
148              130             135             140
150 Met Ser Trp Thr Pro Ile Ala Lys Tyr His Pro Ser Ser Pro Thr Ser
151 145              150             155             160
153 Thr Ser Ser Lys Leu Arg Arg Ala Ala Pro Lys Leu Ile Lys Arg Gly
154              165             170             175

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## VERIFICATION SUMMARY

DATE: 07/24/2002

PATENT APPLICATION: US/09/700,349

TIME: 12:19:31

Input Set : A:\pto\_vsk.txt

Output Set: N:\CRF3\07242002\I700349.raw

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:24 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD